



**MEMPHIS AND SHELBY COUNTY HEALTH  
DEPARTMENT**

# **1997 Vital Statistics Report Memphis and Shelby County**

**PUBLISHED BY THE  
VITAL RECORDS OFFICE**

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# Memphis Shelby County Health Department Vital Records

The Memphis and Shelby County Health Department Vital Records office maintains records of births and deaths that occur in Memphis and Shelby County. The office issues certified copies of these records to the public and conducts statistical analyses based on these records to evaluate changing trends in the health status of residents of the county.

In the year 1997, 39,311 customers were served by the Vital Records office. During this period, 45,907 birth certificates were issued and 55,756 death certificates were issued, for a total of 101,663 certificates issued. In addition this office interacts with health care professionals, researchers, funeral home directors and other governmental agencies on a daily basis for the purpose of providing statistical data and verifying completeness of records.

The primary function of the Vital Records office is to obtain and preserve documentary evidence concerning births and deaths that is necessary to protect the legal rights of individuals. Birth certificates are necessary to enroll in school, apply for driver's or marriage license, to secure a passport or travel visa, to participate in many athletic programs and to apply for social security and other public program benefits. Death certificates are necessary for many critical legal functions, including burial procedures and the processing of insurance benefits, estate settlement, transfer of stocks, bonds, personal property and real estate. For these reasons there is a continuous demand for certified copies of birth and death certificates in Shelby County.

A second primary function of the vital records registration system is to provide a central storage area for essential information necessary for community health assessment. Statistical summaries of birth data provide valuable information related to the reproductive health of a community. Mortality summaries provide important methods for evaluating the general health of a community, and for identifying specific patterns of excess risk over time or within specific geographic locations which may suggest the need for special health intervention measures.

Each year Memphis and Shelby County Health Department strives to make our annual vital records report a more useful research and planning tool for the citizens of Shelby County. In this year's report we have included selected **Healthy People 2000** objectives and a statement of Shelby County's health status indicator for each of those specific objectives. **Healthy People 2000** is an initiative of the US Public Health Service and represents the work of 1,000 individuals and 300 national organizations and state health departments including the Institute of Medicine. **Healthy People 2000** establishes national goals and strategies for disease prevention and health promotion that can serve as benchmarks against which communities can measure their health.

We hope that you find this information valuable.

# 1997 HIGHLIGHTS

County Mid-year Population	- 865,970
Resident Live Births	- 14,288
Birth Rate	- 16.5
Resident Deaths	- 7,585
Death Rate	- 8.8
Out of Wedlock Births	- 7,329 (51.3%)
Low Birth Weight (Pre-maturity)	- 1,479 (10.3%)
Infant Deaths	- 176 (12.3 infant mortality rate)

## **AREA DEMOGRAPHICS**

Shelby County is the largest county in the state of Tennessee, both geographically (772 square miles) and in population (865,970 residents). Shelby County is located in the southwest extreme of the state and contains the City of Memphis which is the largest city in the state of Tennessee and in the Mid-South.

## **POPULATION**

The estimated population for Shelby County is 865,970. There are 462,037 (53.4%) white residents and 403,933 (46.6%) nonwhite residents. There are 408,949 (47.2%) male residents and 457,021 (52.8%) female residents.

# POPULATION OF MEMPHIS AND SHELBY COUNTY BY AGE AND SEX

POPULATION ESTIMATES FOR THE STATE OF TENNESSEE, BASED ON FINAL CENSUS COUNTS FOR 1990, PREPARED BY THE DIVISION OF ASSESSMENT AND PLANNING, TENNESSEE DEPARTMENT OF HEALTH. REVISED: JUNE 8, 1998

Age	Total	White	Nonwhite	White Male	White Female	Nonwhite Male	Nonwhite Female
0-4	71,647	29,890	41,757	15,255	14,635	21,294	20,463
5-9	70,476	29,807	40,669	15,169	14,638	20,698	19,971
10-14	65,513	28,467	37,046	14,553	13,914	18,864	18,182
15-19	64,705	30,813	33,892	16,797	14,016	17,264	16,628
20-24	62,802	31,502	31,300	16,150	15,352	14,965	16,335
25-29	66,504	34,411	32,093	17,125	17,286	14,845	17,248
30-34	65,623	35,049	30,574	17,460	17,589	13,590	16,984
35-39	68,613	38,307	30,306	19,065	19,242	12,928	17,378
40-44	67,298	38,545	28,753	18,955	19,590	12,090	16,663
45-49	58,131	34,158	23,973	16,959	17,199	10,064	13,909
50-54	48,268	29,852	18,416	14,609	15,243	7,765	10,651
55-59	35,828	22,960	12,868	11,061	11,899	5,229	7,639
60-64	29,726	18,821	10,905	8,549	10,272	4,257	6,648
65-69	26,799	17,262	9,537	7,442	9,820	3,674	5,863
70-74	22,900	15,083	7,817	6,194	8,889	2,834	4,983
75-79	18,945	12,561	6,384	4,547	8,014	2,297	4,087
80-84	12,079	7,982	4,097	2,532	5,450	1,367	2,730
85+	10,113	6,567	3,546	1,461	5,106	1,041	2,505
Total	865,970	462,037 (53.4%)	403,933 (46.6%)	223,883 (25.8%)	238,154 (27.5%)	185,066 (21.4%)	218,867 (25.3%)

## **LIVE BIRTHS**

Shelby County resident live births totaled 14,288 in 1997 (14,272 in 1996). This is an increase of 16 births (approximately 0.1%). This very slight increase had no effect on the community birth rate which remains at 16.5. Resident white births totaled 5,653 resulting in a birth rate of 12.2. Resident nonwhite births totaled 8,635 resulting in a birth rate of 21.4. The number of births recorded in 1997, including nonresidents, was 17,510.

Exhibit 1 shows the number of resident live births for the past seven years. These figures clearly show a decrease in births from 15,598 in 1991 to 14,288 in 1997, approximately (9%). Birth rates in nonwhite and white populations show similar trends with peaks in the nonwhite population in 1992. There were slight fluctuations in the white birth rate during this period, however the trend is generally described as downward.

### **BIRTHS BY MATERNAL AGE GROUP**

<b>UNDER 15</b>	<b>15-19</b>	<b>20-24</b>	<b>25-29</b>	<b>30-34</b>	<b>35-39</b>	<b>40-44</b>	<b>45+</b>
<b>97</b>	<b>2,467</b>	<b>3,828</b>	<b>3,682</b>	<b>2,747</b>	<b>1,227</b>	<b>231</b>	<b>9</b>

**TOTAL RESIDENT BIRTHS 14,288**

## **PRENATAL CARE**

In 1997, Shelby County mothers averaged 11.59 prenatal visits per live birth (11.76 visits in 1996). This is a decrease of 0.17 prenatal visits per live birth. White mothers averaged 12.25 prenatal visits (12.49 visits in 1996). Nonwhite mothers averaged 11.01 prenatal visits (11.10 visits in 1996). No prenatal care was received by 56 white mothers (1.0%) and 120 nonwhite mothers (1.4%) in 1997.

## **OUT OF WEDLOCK BIRTHS**

Shelby County had a total of 7,329 out of wedlock births in 1997 (7,108 in 1996). This is an increase of 221 out of wedlock births (approximately 3%). These 7,329 out of wedlock births represent a total of 51.3% of all county births. White out of wedlock births numbered 1049 and were 18.6% of all white births (959 in 1996). Nonwhite out of wedlock births numbered 6,280 and were 72.7% of all nonwhite births (6,149 in 1996).

Exhibit 2 shows the number of out of wedlock births for the period 1990-1997, There is an upward trend in both the white and nonwhite populations, with a slight leveling off period between 1995 and 1997.

## BIRTHS LESS THAN 20 YEARS OF AGE

Babies born to mothers who were less than age 20 in 1997 totaled 2,564 (2,519 in 1996). This is an increase of 45 births (approximately 1.8%). Babies born to white mothers less than age 20 totaled 475 and represent 18.5% of these births. Babies born to nonwhite mothers less than age 20 totaled 2,089 and represent 81.5% of these births.

The number of births to mothers less than age 20 and mothers ages 10-17 is shown in Exhibit 3. The number of births to mothers less than age 20 peaked in 1992 with 2,769 births. Since that time the trend appears to be on the downward slope, however the number of births in both the white and nonwhite populations increased in 1997.

### **1997 TEEN BIRTHS BY RACE AND AGE**

<b>Age</b>	<b>White</b>	<b>Nonwhite</b>	<b>Total</b>
10-14	8	89	97
15-17	172	841	1,013
18-19	<u>295</u>	<u>1,159</u>	<u>1,454</u>
<b>Total</b>	<b>475</b>	<b>2,089</b>	<b>2,564</b>

### **TEEN BIRTHS 10-17 YEARS OF AGE**

Resident births to mothers 10 to 17 totaled 1,110 in 1997 (compared to 1,121 in 1996). Of the births to mothers 17 years old or less in 1997, 180 (or 16.2 %) were white; and 930 (83.8%) were nonwhite. This compares to 141 white and 980 nonwhite births to mothers age 10-17 in 1996.

Out of wedlock births to mothers age 10-17 totaled 1,068, or 96% of all births to mothers in this age group. One hundred and forty-seven (147) of these births were to white teenagers (representing 81.7% of births to white teenage mothers in this age group); and 921 of these births were to nonwhite adolescents (99% of the births to non-white adolescents who are 17 or less).

Data is only available in the age group 10-17 for the years 1992-1997. There continues to be a downward trend in the number of teen births from 1,175 births in 1994 to 1,110 in 1997 or a reduction of approximately 6%. However, the number of white teen births in the white population increased from 141 in 1996 to 180 in 1997 an increase of 39 or 28%.

**HEALTHY PEOPLE 2000 OBJECTIVE:** Reduce pregnancies among teenage girls age 17 and younger to no more than 50 per thousand adolescents.

**SHELBY COUNTY INDICATOR:** 21.8 births per 1,000 adolescents (17 and younger).

# HISPANIC BIRTHS

Recent requests for statistics on Hispanic births and births to Mexican immigrants prompted us to include Hispanic births in the 1997 Vital Statistics Report. Data is only available for the years 1993-1997.

It has been very difficult to obtain reliable estimates on the Hispanic population in Shelby County, therefore rates of births per 1,000 population were not calculated. The U.S. Department of Commerce, Bureau of Census (1990 census) estimates the Hispanic population at 7,091. However, it is widely believed that this estimate is far too low. The League of United Latin American Citizens (L.U.L.A.C.) gives a higher estimate of 50,000 to 60,000.

Shelby County resident live births to Hispanic mothers totaled 298 in 1997 (240 in 1996). This is an increase of 58 births (approximately 24%). Resident births to mothers who list their birth place as Mexico totaled 188 in 1997 (115 in 1996). This is an increase of 73 births (approximately 63%).

From a trend perspective, during the period 1993-1997 resident Hispanic births increased from 118 in 1993 to 298 in 1997 or approximately 153%. During the same period resident births to mothers who list their place of birth as Mexico increased from 49 in 1993 to 188 in 1997 or approximately 248%.

	<u>1993</u>		<u>1994</u>		<u>1995</u>		<u>1996</u>		<u>1997</u>
Resident Births	118		130		189		240		298
Nonresident Births		<u>13</u>		<u>19</u>		<u>15</u>		<u>21</u>	
Total Hispanic Births	131		149		204		261		322
									<u>24</u>

The general trend indicates a dramatic increase in births in the Hispanic population. This dramatic increase is also seen in births to mothers who list their birth place as Mexico. (See Exhibit 7)

## HISPANIC TEEN BIRTHS 10-17 YEARS OF AGE

Resident births to Hispanic mothers age 10-17 totaled 15 (compared to 5 in 1996). This represents 5% of all resident Hispanic births. Teen births to Hispanic mothers in Shelby County accounted for approximately 6% of all births to Hispanic mothers in 1993, 8% in 1994, 5% in 1995 and 2% in 1996.

Age	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>
10-14	1	0	1	0	1
15-17	<u>6</u>	<u>10</u>	<u>9</u>	<u>5</u>	<u>14</u>
Total	7	10	10	5	15

## **LOW BIRTH WEIGHT (PREMATURITY)**

The number of resident low birth weight babies born in 1997 was 1,479 (1,422 in 1996). This represents 10% of all resident live births. This is an increase of 57 low birth weight babies (approximately 4%). Low birth weight is defined as any baby weighing less than 5.5 pounds or 2,500 grams at birth. White babies totaled 368 (25%) of all prematurities and 6.5% of all white babies were low birth weight. Nonwhite babies totaled 1,111 (75%) of all prematurities and 13% of all nonwhite babies were low birth weight. In 1996 1,422 low birth weight babies resulted in 10% of all births classified as premature. In 1996 5.2% of white births were low birth weight and 13.2% of all nonwhite births were premature.

Exhibit 4 show the number and percentages of low birth weight babies (less than 2,500 grams) for the period 1989-1997. The trend could be generally described as downward from the period 1994-1997, however fluctuations occurred throughout the entire period with peaks in 1991 and 1994. The number of low birth weight babies in the white population increased from 5% in 1996 to 6.5% in 1997.

## **INFANT MORTALITY**

Resident Shelby County infant deaths in 1997 totaled 176 (178 in 1996). This resulted in an infant mortality rate of 12.3 (12.5 in 1996). There were 25 white infant deaths in 1997 (compared to 32 in 1996), resulting in a white infant mortality rate of 4.4 (5.6 in 1996). There were 151 nonwhite infant deaths in 1997 (146 in 1996), resulting in 1997 nonwhite infant mortality rate of 17.5 (17.1 in 1996).

Exhibit 6 shows the number of resident infant deaths and infant death rates for the period 1989-1997. The general trend indicates a decrease in the number of infant deaths and the infant death rates. The patterns of change in the birth rates for both the white and nonwhite population have been similar throughout this period. However, the infant death rate has remained significantly higher in the nonwhite population. Also there was a significant decrease in the white infant mortality rate from 5.6 in 1996 to 4.4 in 1997.

## **HEALTHY PEOPLE 2000 OBJECTIVE:**

Reduce infant mortality rate to no more than 7 deaths per 1,000 live births.

### **Special population target:**

Blacks: 11 deaths per 1,000 live births.

## **SHELBY COUNTY INDICATORS:**

**Infant Mortality Rate:** 12.3 infant deaths per 1,000 live births.

**Nonwhite Infant Mortality Rate:** 17.5 infant deaths per 1,000 live births.



## **RESIDENT DEATHS**

Shelby County resident deaths in 1997 totaled 7,585 (7,768 in 1996). This is a decrease of 183 deaths from 1996. The total number of resident county deaths resulted in a county death rate of 8.8. There were 3,873 white deaths resulting in a white death rate of 8.4. This is a decrease of 170 white deaths (approximately 4%). There were 3,712 nonwhite deaths resulting in a nonwhite death rate of 9.2. This is a decrease of 13 nonwhite deaths (approximately 0.4%). Including nonresidents, there were 9,948 deaths in Shelby County in 1997.

The trend of the death rate for the period 1989-1997 is shown in Exhibit 5. This trend is generally upward with fluctuations in the year 1995. The number of deaths increased from 6,935 in 1988 to 7,585 in 1997, approximately 9%. The overall death rate decreased from 9.7 in 1995 to 9.2 in 1997.

### **THE LEADING CAUSES OF RESIDENT DEATHS IN 1997**

<b><u>Rank</u></b>	<b><u>Cause of Death</u></b>	<b><u>White</u></b>		<b><u>Nonwhite</u></b>		<b><u>Total</u></b>	<b><u>Percent</u></b>
1.	Heart Disease	1,292	(1)	1,133	(1)	2,425	32.0
2.	Malignancy Cancer	879	(2)	782	(2)	1,661	22.0
3.	Cerebrovascular Disease (Stroke)	293	(4)	311	(3)	604	8.0
4.	Respiratory including Pneumonia Influenza and Emphysema	396	(3)	190	(4)	586	7.7
5.	Accidents and Adverse Conditions	131	(5)	168	(5)	299	4.0
6.	Endocrine System Diseases	81	(8)	150	(6)	231	3.0
7.	Digestive System Diseases	115	(6)	100	(9)	215	2.8
8.	Urinary System Diseases	99	(7)	82	(10)	181	2.4
9.	Homicides	36	(12)	116	(7)	152	2.0
10.	Mental Disorders	76	(9)	56	(12)	132	1.7
11.	HIV (AIDS)	19	(13)	109	(8)	128	1.7
12.	Septicemia	47	(11)	46	(13)	93	1.2
13.	Suicides	53	(10)	34	(14)	87	1.1
14.	Conditions of the Perinatal Period	6	(14)	78	(11)	84	1.1

Numbers in parenthesis indicates the leading cause of death according to race.

### **SPECIFIC CAUSES OF SHELBY COUNTY RESIDENT DEATHS 1997**

<u>Causes of Death</u>	<u>White</u>	<u>Nonwhite</u>	<u>Total</u>
Malignancy-Digestive Organs & Peritoneum	210	227	437
Malignancy-Respiratory Organs	270	203	473
Malignancy-Bone, C.T., Skin & Breast	86	81	167
Malignancy-Genito-Urinary Organs	127	129	256
Malignancy-Other	80	63	143
Malignancy-Lymph- Hematopoietic Tissue	92	63	155
Malignancy Neoplasm of Lip, Oral Cavity	14	16	30
Endocrine System Disease	81	150	231
Mental Disorders	76	56	132
Nervous System Disease	0	54	54
Hypertensive Disease`	68	202	268
Congestive Heart Failure	38	20	58
Ischemic Coronary Disease	849	549	1,398
Cerebrovascular Disease (Stroke)	293	311	604
Respiratory-Pneumonia-Influenza-Emphysema	396	190	586
Digestive System Disease	115	100	215
Urinary System Disease	99	82	181
Conditions of Perinatal Period	6	78	84
Vehicle Accidents	63	82	145
Suicides	53	34	87
Homicides	36	116	152
HIV (AIDS)	19	109	128
All Other Causes	<u>804</u>	<u>797</u>	<u>1,601</u>
TOTALS	3,873	3,712	7,585

### **RESIDENT AVERAGE AGE AT DEATH**

<u>Sex</u>	<u>White</u>		<u>Nonwhite</u>		<u>Total</u>	
	1997	1996	1997	1996	1997	1996
Male	69.30	69.24	61.54	61.22	65.37	65.22
Female	76.60	77.31	68.42	69.09	72.85	73.66
Total	73.26	73.64	65.01	65.04	69.26	69.57

## **SUICIDES**

There were 87 deaths of Shelby County residents due to suicide in 1997. The number of suicides represents an increase of approximately 5% over the 83 suicides in 1996. White deaths due to suicide totaled 53 or 61% of all suicides. Nonwhite deaths due to suicides totaled 34 or 39% of all suicides. There was a significant decrease in the number of suicides in the white male population, from 50 in 1996 to 37 in 1997. However, white males still ranks the highest with 43% of all suicides. Suicides ranked as the 13th leading cause of death in Shelby County.

<b><u>SUICIDES BY AGE GROUP, RACE AND SEX</u></b>					
<b>Age Category</b>	<b>White Female</b>	<b>White Male</b>	<b>Black Female</b>	<b>Black Male</b>	<b>Total</b>
10-14	0	0	0	1	1
15-19	1	4	1	2	8
20-24	1	1	1	6	9
25-34	3	5	3	10	21
35-44	3	10	1	3	17
45-54	5	3	1	1	10
55-64	2	6	0	2	10
65-74	0	3	0	2	5
75-84	0	4	0	0	4
85+	1	1	0	0	2
<b>Total 1997</b>	<b>16</b>	<b>37</b>	<b>7</b>	<b>27</b>	<b>87</b>
<b>Total 1996</b>	<b>8</b>	<b>50</b>	<b>3</b>	<b>22</b>	<b>83</b>

**HEALTHY PEOPLE 2000 OBJECTIVE:** Reduce suicides to no more than 10.5 per 100,000 people.

**SHELBY COUNTY INDICATOR:** 10.05 suicides per 100,000 residents.

## **BREAST CANCER (FEMALE)**

There were 132 deaths of Shelby County residents due to breast cancer in 1997. There were 145 breast cancer deaths in 1996. This is a decrease of 13 deaths or approximately 10%. Significant decreases were seen in the white female population from 80 in 1996 to 61 in 1997, approximately 24%.

<b><u>BREAST CANCER BY AGE AND RACE</u></b>				
<b>Age Category</b>	<b>White Female</b>	<b>Black Female</b>	<b>Hispanic Asian Female</b>	<b>Total</b>
20-24	0	0	0	0
25-34	0	1	0	1
35-44	5	6	0	11
45-54	16	16	0	32
55-64	9	16	0	25
65-74	17	15	0	32
75-84	8	12	0	20
85+	6	5	0	11
<b>Total 1997</b>	<b>61</b>	<b>71</b>	<b>0</b>	<b>132</b>
<b>Total 1996</b>	<b>80</b>	<b>64</b>	<b>1</b>	<b>145</b>

## **AIDS/HIV DEATHS**

During 1997, AIDS/HIV deaths to Shelby County residents numbered 128, a decrease of 9 or 7% over the 137 AIDS/HIV deaths in 1996. AIDS/HIV deaths ranked as the 11th leading cause of death to Shelby County residents. The number of deaths decreased in the 35-44 age group, which numbered 47 deaths, a decrease of 18 over the 65 deaths in 1996. The number of AIDS/HIV deaths in nonwhite males decreased approximately 10%, from 87 in 1996 to 79 in 1997. The most significant increase occurred in the nonwhite female population, with an increase of 12 or approximately 67%. AIDS/HIV deaths ranked #8 as the leading cause of death in the nonwhite population. The total number of AIDS/HIV deaths recorded in 1997, including nonresidents, was 136.

### **AIDS/HIV DEATHS BY AGE GROUP, RACE AND SEX**

Age Category	White Female	White Male	Nonwhite Female	Nonwhite Male	All Female	All Male	Total
0-4	0	0	0	0	0	0	0
5-14	0	0	0	0	0	0	0
15-24	0	0	1	0	1	0	1
25-34	0	3	13	29	13	32	45
35-44	0	9	12	26	12	35	47
45-54	0	6	2	12	2	18	20
55-64	0	1	2	9	2	10	12
65-74	0	0	0	3	0	3	3
75-84	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0
<b>Totals 1997</b>	<b>0</b>	<b>19</b>	<b>30</b>	<b>79</b>	<b>30</b>	<b>98</b>	<b>128</b>
<b>Totals 1996</b>	<b>1</b>	<b>31</b>	<b>18</b>	<b>87</b>	<b>19</b>	<b>118</b>	<b>137</b>

## **HOMICIDES**

There were 152 homicides in Shelby County during 1997 compared to 179 in 1996 for a decrease of 27 homicides (or approximately 17%). Homicide ranked as the 9th leading cause of death to Shelby County residents in 1997, down from number 8 in 1996. Of the 152 homicides, 113 or 74% were in the black population. Of the 152 homicides, 121 or 80% were in the age group (15 to 44); 82 or 68% were black males; 15 or 12% were black females; 21 or 17% were white males, 2 or 1.7% were white females; and 1 or 0.8% were of Hispanic or Asian origin.

### **HOMICIDES BY AGE GROUP RACE AND SEX**

Age Category	White Female	White Male	Black Female	Black Male	Hispanic Asian Female	Hispanic Asian Male	Total
<1	0	0	1	1	0	0	2
1-4	0	0	0	0	0	0	0
5-9	0	0	0	0	0	0	0
10-14	0	0	2	0	0	0	2
15-19	0	2	2	18	0	0	22
20-24	0	5	3	17	0	0	25
25-34	1	10	5	26	1	0	43
35-44	1	4	5	21	0	0	31
45-54	4	4	2	6	0	0	16
55-64	0	1	0	3	1	1	6
65-74	0	1	0	0	0	0	1
75-84	2	1	0	0	0	0	3
85+	0	0	1	0	0	0	1
Total 97	8 (5.3%)	28 (18.4%)	21 (13.8%)	92 (60.5%)	2 (1.3%)	1 (0.7%)	152
Total 96	6	15	29	127	0	2	179

**HEALTHY PEOPLE 2000 OBJECTIVE:** Reduce homicides to no more than 7.2 per 100,000 population.

**SHELBY COUNTY INDICATOR:** 17.6 homicides per 100,000 residents.

## 1997 RESIDENT LIVE BIRTHS BY CENSUS TRACT AND RACE

Census Tract	White Births	Nonwhite Births	Total Births
1	15	22	37
2	1	49	50
3	3	62	65
4	4	41	45
5	3	15	18
6	1	66	67
7	9	68	77
8	0	64	64
9	2	64	66
10	0	8	8
11	39	28	67
12	38	10	48
13	20	75	95
14	4	29	33
15	6	24	30
16	14	4	18
17	19	40	59
18	2	41	43
19	2	53	55
20	3	110	113
21	2	22	24
22	3	24	27
22.99	0	0	0
23	2	41	43
24	1	76	77
25	10	27	37
26	38	3	41
27	19	19	38
28	7	103	110
29	67	4	71
30	24	44	68
31	35	11	46
32	25	6	31
33	21	2	23
34	27	11	38
35	30	10	40
36	16	39	55
37	2	16	18
38	1	5	6
39	12	16	28

<b>Census Tract</b>	<b>White Births</b>	<b>Nonwhite Births</b>	<b>Total Births</b>
40	1	44	45
41	2	27	29
42	20	10	30
43	2	7	9
44	0	14	14
45	1	53	54
46	2	57	59
47	0	50	50
48	0	37	37
49	0	54	54
50	0	72	72
51	0	2	2
52	0	4	4
53	6	99	105
54	0	38	38
55	6	80	86
56	2	80	82
57	5	63	68
58	0	43	43
59	0	74	74
60	1	37	38
61	0	21	21
62	1	83	84
63	14	19	33
64	1	20	21
65	2	48	50
66	13	49	62
67	4	90	94
68	1	62	63
69	1	83	84
70	21	37	58
71	13	14	27
72	30	5	35
73	17	2	19
74	36	10	46
75	0	35	35
76	0	0	0
77	0	0	0
78.10	1	67	68
78.20	5	179	184
79	5	126	131
80	26	32	58

<b>Census Tract</b>	<b>White Births</b>	<b>Nonwhite Births</b>	<b>Total Births</b>
81.10	2	92	94
81.20	2	109	111
82	21	111	132
83	55	17	72
84	5	5	10
85	35	0	35
86	78	28	106
87	53	5	58
88	70	13	83
89	49	39	88
90	1	34	35
91	33	4	37
92	88	7	95
93	47	8	55
94	36	3	39
95	62	8	70
96	39	1	40
97	30	12	43
98	40	8	48
99	51	112	163
100	13	102	115
101.10	29	152	181
101.20	23	121	144
102.10	10	101	111
102.20	24	112	136
103	1	46	47
104.10	1	2	3
104.20	2	2	4
105	11	79	90
106.10	29	83	112
106.20	14	87	101
106.30	27	98	125
107.10	27	52	79
107.20	28	33	61
108.10	24	83	107
108.20	17	39	56
109	17	73	90
110.10	11	62	73
110.20	9	48	57
201	74	67	141
202.10	62	25	87
202.20	61	13	74



<b>Census Tract</b>	<b>White Births</b>	<b>Nonwhite Births</b>	<b>Total Births</b>
203	64	17	118
204	35	18	53
205.10	48	121	169
205.20	50	187	237
205.30	73	61	134
205.40	94	98	102
206.10	40	11	51
206.20	115	20	135
206.30	163	7	170
206.40	202	23	225
206.50	89	10	99
207	11	7	18
208	147	29	176
209	11	5	16
210	57	10	67
211.10	222	32	254
211.20	225	41	266
211.31	245	20	265
211.32	107	12	119
211.33	149	22	171
212	0	0	0
213.10	55	7	62
213.20	53	10	63
213.30	93	38	131
213.40	70	12	82
213.51	24	6	30
213.52	61	3	64
213.53	39	4	43
213.55	0	0	0
214.10	15	0	15
214.20	29	3	32
214.30	24	1	25
215	154	18	172
216.10	175	9	184
216.20	26	30	56
217.10	23	40	63
217.21	29	25	69
217.22	58	56	114
217.30	59	103	162
217.41	69	79	148
217.42	62	81	143
217.43	115	63	178
217.50	114	93	207

<b>Census Tract</b>	<b>White Births</b>	<b>Nonwhite Births</b>	<b>Total Births</b>
219	6	111	117
220.10	5	83	88
220.21	8	105	113
220.22	5	191	196
221.11	4	139	143
221.12	6	125	131
221.20	10	161	171
221.30	9	114	123
222.10	1	93	94
222.20	3	66	69
223.10	1	146	147
223.20	0	128	128
223.30	2	111	113
224.10	18	74	92
224.20	4	159	163
225.98	0	0	0
226.98	0	0	0
227.98	0	0	0
999 *	0	0	0
Total	5,653	8,635	14,288

**\* Census Tract Unknown**

**1997 RESIDENT DEATHS BY CENSUS TRACT AND RACE**

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
1	4	12	16
2	1	27	28
3	2	32	34
4	2	46	48
5	0	8	8
6	2	58	60
7	4	63	67
8	1	49	50
9	1	47	48
10	2	12	14
11	39	8	47
12	50	4	54
13	30	15	45
14	9	16	25
15	11	18	29
16	25	2	27
17	28	31	59
18	1	31	32
19	0	30	30
20	5	29	34
21	3	19	22
22	2	9	11
22.99	0	0	0
23	4	25	29
24	2	46	48
25	12	8	20
26	21	0	21
27	17	3	20
28	16	50	66
29	74	3	77
30	47	30	77
31	26	2	28
32	60	22	82
33	12	0	12
34	19	5	24
35	28	2	30
36	12	21	33
37	13	15	28
38	6	19	25
39	9	24	33

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
40	0	15	15
41	1	28	29
42	13	6	19
43	0	1	1
44	0	10	10
45	0	10	10
46	2	17	19
47	0	53	53
48	0	18	18
49	0	37	37
50	0	36	36
51	0	7	7
52	0	8	8
53	0	110	110
54	0	24	24
55	1	59	60
56	1	60	61
57	0	61	61
58	1	35	36
59	2	58	60
60	0	41	41
61	0	18	18
62	4	45	49
63	19	9	28
64	2	23	25
65	0	49	49
66	17	12	29
67	2	89	91
68	4	39	43
69	8	33	41
70	9	10	19
71	20	16	36
72	27	4	31
73	60	7	67
74	30	5	35
75	2	30	32
76	0	0	0
77	0	0	0
78.10	1	54	55
78.20	2	103	105
79	14	67	81
80	61	12	73
81.10	3	26	29

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
81.20	9	55	64
82	24	18	42
83	50	6	56
84	0	0	0
85	61	0	61
86	63	1	64
87	57	2	59
88	70	6	76
89	31	5	36
90	0	32	32
91	28	2	30
92	87	1	88
93	64	1	65
94	45	0	45
95	81	3	84
96	42	2	44
97	17	2	19
98	37	2	39
99	56	18	74
100	31	18	49
101.10	36	31	67
101.20	27	18	45
102.10	15	28	43
102.20	33	25	58
103	1	17	18
104.10	11	1	12
104.20	1	0	1
105	24	33	57
106.10	22	12	34
106.20	4	9	13
106.30	12	15	27
107.10	32	2	44
107.20	9	2	11
108.10	27	12	39
108.20	22	10	32
109	12	12	24
110.10	18	12	30
110.20	5	8	13
201	36	20	56
202.10	23	18	41
202.20	24	4	28
203	37	8	45
204	0	1	1

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
205.10	42	32	74
205.20	28	37	65
205.30	54	14	68
205.40	65	10	75
206.10	16	0	16
206.20	57	3	60
206.30	56	5	61
206.40	62	15	77
206.50	64	3	67
207	8	3	11
208	55	21	76
209	9	3	12
210	28	7	35
211.10	42	3	45
211.20	65	16	81
211.31	57	8	65
211.32	31	5	36
211.33	67	1	68
212	9	17	26
213.10	39	0	39
213.20	59	1	60
213.30	76	6	82
213.40	39	4	43
213.51	28	2	30
213.52	28	0	28
213.53	14	1	15
213.55	0	0	0
214.10	22	1	23
214.20	20	1	21
214.30	21	1	22
215	55	5	60
216.10	56	5	61
216.20	22	16	38
217.10	14	2	16
217.21	27	3	30
217.22	102	13	115
217.30	22	17	39
217.41	19	8	27
217.42	17	11	28
217.43	16	9	25
217.50	20	13	33
219	5	18	23
220.10	14	23	37

<b>Census Tract</b>	<b>White Deaths</b>	<b>Nonwhite Deaths</b>	<b>Total Deaths</b>
220.21	19	46	65
220.22	2	30	32
221.11	16	45	61
221.12	4	30	34
221.20	19	38	57
221.30	14	21	35
222.10	3	59	62
222.20	4	75	79
223.10	3	76	79
223.20	11	91	102
223.30	2	46	48
224.00	0	0	0
224.10	20	56	76
224.20	8	70	78
226.98	1	0	0
999 *	7	8	15
Total	3,873	3,712	7,585

**\* Census Tract Unknown**

## TECHNICAL NOTES

All calculations in this report involving mortality measures are based on ICD - 9 Codes.

Vital events are classified in this report by resident and nonresident. "Resident" events are those which involve actual residents of Shelby County, Tennessee. "Nonresident" are those events which occur in Shelby County but involve individuals who reside in other states or counties.

Live Birth: A birth in which the child shows evidence of life ( includes heart action, breathing or a coordinated movement of a voluntary muscle) after complete birth.

Birth Rate: The total number of live births in a specific population for a given year divided by the total population for the year, multiplied by one thousand.

Low Birthweight: A live birth weighing less than 2,500 grams or 5.5 lbs. Low birthweight percent is calculated as a percentage of live births for a specific population in a given year.

Out of Wedlock Birth: The total number of out-of-wedlock births in a specific population for a given year.

Out of Wedlock Birth Rate: Number of out-of-wedlock births per 1000 live births.

Teen Births: Births to teenage mothers aged 10 to 17.

Deaths: The total number of deaths in a given population that occurs in a single year.

Death Rate: Number of deaths in a specific population for a given year divided by the total population for the year, multiplied by 1,000.

Infant Death: Death of an infant under one year (365 days) of age.

Infant Mortality Rate: Number of infant deaths per 1,000 live births.

All rates and percentages are based on birth and death records filed with the Memphis and Shelby County Vital Records office.

Inquiries should be addressed to the Memphis and Shelby County Health Department, 814 Jefferson Ave., Memphis, TN 38105. Telephone number is (901) 544-7608. Fax number is (901) 544-7610.